CRITERION 7- INSTITUTIONAL VALUES AND BEST PRACTICES

7.1.3 Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste



BAREILLY INTERNATIONAL UNIVERSITY
(Established Under Govt. of U.P. Act 26 of 2016)
Rohilkhand Medical College Campus, Pilibhit Bypass Road, Bareilly-243006 (U.P.) INDIA
Phone: 0581-2526011-12, Fax: 0581 - 2303345
Email: info@biu.edu.in Website : www.biu.edu.in

WASTE MANAGEMENT POLICY

Purpose

This policy outlines the commitment of Bareilly International University to manage all types of waste generated on campus responsibly, ensuring compliance with environmental standards and promoting sustainability.

Scope

This policy applies to all students, faculty, staff, and visitors and includes all activities related to waste generation, segregation, collection, treatment, and disposal on campus.

1. Solid Waste Management

- **Segregation at Source**: Provide color-coded bins for biodegradable (green), recyclable (blue), and non-recyclable (red) waste at all key locations on campus.
- **Collection and Disposal**:
    - Biodegradable waste is composted on-site through aerobic composting or vermicomposting systems.
    - Non-recyclable waste is handed over to authorized municipal or private waste handlers.
    - Recyclable waste is sent to recycling facilities in collaboration with certified vendors.
- **Awareness Campaigns**: Conduct regular campaigns to educate the campus community on proper waste segregation and reduction practices.

2. Liquid Waste Management

- **Wastewater Treatment**:
    - Install a Sewage Treatment Plant (STP) to treat wastewater generated from campus facilities.
    - Treated water is reused for gardening, cleaning, and flushing purposes.
- **Drainage Maintenance**: Ensure regular maintenance of drainage systems to prevent blockages and contamination.
- **Monitoring**: Conduct regular quality checks of treated water to comply with pollution control standards.

3. Biomedical Waste Management

- **Segregation and Handling**: Biomedical waste generated by medical facilities or labs on campus is segregated at the source into color-coded bags/containers as per Biomedical Waste Management Rules.
- **Authorized Disposal**: Collaborate with certified biomedical waste management agencies for the safe collection, transportation, and disposal of waste.
- **Safety Measures**: Provide protective equipment and training to staff handling biomedical waste.

4. E-Waste Management

- **Collection and Storage**: Set up designated e-waste collection points for discarded electronic items such as computers, printers, and batteries.
- **Authorized Disposal**: Partner with certified e-waste recycling firms to ensure proper dismantling and recycling of electronic waste.
- **Reuse Policy**: Encourage refurbishing and reuse of electronic equipment where feasible.

5. Waste Recycling System

- **Paper Recycling**: Promote the use of double-sided printing and establish collection points for paper recycling.
- **Plastic Recycling**: Collaborate with recyclers to process plastic waste into reusable materials.
- **Composting Units**: Utilize compost from biodegradable waste to maintain campus gardens and landscaping.

6. Hazardous Chemicals and Radioactive Waste Management

- **Chemical Waste**:
  - Segregate hazardous chemical waste generated in labs based on its nature (organic, inorganic, etc.).
  - Store waste in labeled, leak-proof containers to prevent spills or contamination.
  - Partner with authorized hazardous waste management agencies for safe disposal.
- **Radioactive Waste**:
  - Handle radioactive materials following Atomic Energy Regulatory Board (AERB) guidelines.
  - Store radioactive waste in shielded, secure facilities until safe disposal is arranged through certified agencies.
  - Ensure training for staff handling radioactive materials.

7. Implementation and Monitoring

- **Waste Management Team**: Appoint a dedicated team to oversee waste management practices on campus.
- **Periodic Audits**: Conduct regular waste audits to identify areas for improvement.
- **Compliance**: Adhere to all relevant national and local environmental laws and guidelines.

8. Awareness and Training

- Conduct workshops, seminars, and awareness drives on sustainable waste management practices.
- Incorporate waste management principles into the university's curriculum and extracurricular activities.

9. Review and Updates

This policy will be reviewed annually to ensure its effectiveness and compliance with the latest environmental regulations and best practices.

-RENEWAL-

INDIA NON JUDICIAL

IN-UP43433685333340W

Government of Uttar Pradesh

e-Stamp

BE-0250

Certificate No.	:	IN-UP43433685333340W
Certificate Issued Date	:	29-Oct-2024 04:16 PM
Account Reference	:	NEWIMPACC (SV)/ up14335604/ BAREILLY SADAR/ UP-BLY
Unique Doc. Reference	:	SUBIN-UPUP14335004833926932653322W
Purchased by	:	ENVIRAD MEDICARE PVT LTD
Description of Document	:	Article 5 Agreement or Memorandum of an agreement
Property Description	:	Not Applicable
Consideration Price (Rs.)	:	
First Party	:	ENVIRAD MEDICARE PVT LTD
Second Party	:	Not Applicable
Stamp Duty Paid By	:	ENVIRAD MEDICARE PVT LTD
Stamp Duty Amount(Rs.)	:	10 (Ten only)

Please write or type below this line

ENVIRAD MEDICARE Bareilly

for

Deputy Medical Superintendent
& Administrative Officer
Rohilkhand Medical College & Hospital
Bareilly

AGREEMENT

This agreement is made and executed at Bareilly on 17.12.2024

BY AND BETWEEN

M/s Envirad Medicare Pvt. Ltd., having its Office at Opposite Neelkamal Saree House, Naya Tola Shivaji Marg, Bareilly 243001 (CIN No.- U51109 UP1997 PTC 021268), thereinafter referred to as "Service Provider"), duly represented by its VIJAY. Authorized Signatory

AND

Name of Health Care Facility (HCF): ROHILKHAND MEDICAL COLLEGE & HOSPITAL. (Hereinafter referred to as WASTE GENERATOR).

Address of the (HCF) ROHILKHAND EDUCATIONAL CHARITABLE TRUST- PILIBHIT BYPASS ROAD- BAREILLY.

Caution: Alert:

Scanned with OKEN Scanner

Name of the Individual / Proprietor / Partner DR. FAIZ SHAMSE.

Authorized representative of Waste Generator — SAME -

New Hospital / Clinic / — RENEWAL — (Registration to be applied).

Contact No.: 81717-90347 E-mail ID: _____

Whereas the Service Provider has been duly authorized by the **U. P. State Pollution Control Board (UPSPCB) Lucknow (U.P.)** under Rule 8 (4) of the Bio-Medical Waste (Management & Handling) Rules 1998 for operating and providing facility for the Collection, Reception, Treatment, Storage, Transportation and Disposal of the Bio-Medical Waste.

The Service Provider has installed its facility at **Envirad Medicare Pvt. Ltd. Road No. 4 Parsakhera Industrial Area, Bareilly** for the respective areas of operations.
And both the parties are agreed to enter into this agreement on the terms and conditions narrated hereinafter.

NOW THIS INDENTURE WITNESSETH and it is hereby covenant as follows:

1. **Validity of the Agreement**

   (a) This agreement shall remain in force for a period of ONE year w.e.f. 01ST day of JANUARY of the year 2025 to 31ST day of DECEMBER the year 2025 (both days inclusive), which may be renewed further with mutual consent of both the parties by executing a fresh written agreement.

   (b) However, if the SERVICE PROVIDER do not initiate the service within 15(fifteen) day from execution of this agreement, then this agreement will become null & void. If the Waste Generator's Establishment is a New Hospital/Clinic/ _____ and the Registration with the competent authority is under process then the Validity of this agreement shall be termed as 'Provisional'.

   (c) If the Waste Generator fails to submit his said Registration certificate within a period of 3 months, then this agreement shall be revoked and become null & void. Once the Waste Generator submits its Registration Details, then the Service Provider will endorse this agreement.

   (d) This agreement is valid & operative only for the above said Establishment of the WASTE GENERATOR.

Deputy Medical Superintendent
& Administrative Officer
Rohilkhand Medical College & Hospital
Bareilly

2. **Responsibilities of the "Service Provider"**

   (i) That the "service Provider" shall comply with provisions as stipulated in Schedule-I of the BMW (M&H) Rules 1998 & as amended in 2000 and subsequent amended in 2016.

   (ii) That the "Service Provider" shall collect the segregated BMW from one designated waste collection point within the Establishment of WASTE GENERATOR and dispose of within 48 hours.

   (iii) That the "Service Provider "shall schedule the timing for collecting the BMW in consultation with the WASTE GENERATOR.

   (iv) That the "Service Provider" shall transport the segregated BMW in closed container vehicle to its treatment facility centre.

ENVIRAD MEDICARE CBWTF Bareilly

(v) That the service provider shall only collect and transport the BMW in non-chlorinated polythene bags with bar code.

(vi) That the "Service Provider" shall not be held liable for any kind of the violation made by the WASTE GENERATOR/ or its staff under the bio-medical Waste (Management and Handling) Rules 1998 as amended in 2016.

3. Responsibilities of the WASTE GENERATOR

(i) That the WASTE GENERATOR shall segregate the BMW at the point of generation in accordance with the BMW (M&H) Rule 1998 & as amended in 2000 and 2001.

(ii) That the Waste Generator shall only use non-chlorinated polythene bags for collection of BMW and shall paste bar code stickers on each bag as per CPCB BMW Management Guidelines 2016.

(iii) That the WASTE GENERATOR shall collect, pack label and handover the segregated BMW in non-chlorinated bags as stipulated under BMW (M&H) Rule, which bags shall be arranged by the "Waste Provider" at its own cost.

(iv) That it shall be the sole responsibility of the Waste Generator to keep the BMW under lock and key so as to protect it from any sort of mishandling before it is handed over to the authorized person of Service Provider.

(v) That the WASTE GENERATOR shall be responsible to disinfect and mutilated the sharps and handover it in sealed puncture proof containers Bags to "Service Providers".

(vi) That the WASTE GENERATOR shall take all necessary steps to ensure that the BMW is handled without causing any adverse effects to human health and environment.

(vii) That the WASTE GENERATOR shall establish a common secured waste collection end point within its Establishment for collection, storage of BMW before handing it over to "Service Provider"

(viii) That the WASTE GENERATOR shall apply and obtain necessary authorization from the prescribed Authority under BMW Rules 1998 as amended in 2016 and submit its necessary return to the Prescribed Authority from time to time as laid down in the said Rules.

(ix) That the WASTE GENERATOR shall designate a "Nodal Officer" to interact with "Service Provider".

4. **The Terms of Payment**

1. That the WASTE GENRATOR shall pay One Time Non- Refundable Membership Fee of Rs. —

2. That the WASTE GENRATOR shall pay an amount equal to 2 months of service charges as refundable / adjustable interest free security deposit of Rs. .....

3. That the Service Provider shall charge Rs. 55000/- (Rs. Fifty-five Thousand) + GST (as applicable) i.e 12% so the total amount is Rs. 61600/- (Rs. Sixty One Thousand) per month for Clinic / Pathology Labs/ Dental Clinic/Hospital Six hundred only ~ or Rs. — (Rs. —) per bed per month for bedded facilities (No. of Bed -1040) for the service of collection, transport treatment & disposal of BMW, subject to the

Deputy Medical Superintendent
& Administrative Officer
Rohilkhand Medical College & Hospital
Bareilly

ENVIRAD MEDICARE CBWTF Bareilly

condition of weight limit of ____ Kg per month. Excess weight shall be charged Rs.___/- per Kg. The above rates are Exclusive of Service Tax & shall be applicable as per prevailing rates.

4. That all bounced cheques shall be charged @Rs. 300/- extra in addition to the actual bank charges.
5. The GST as applicable by govt. on Bio-medical Waste Management services will be charged extra as per government rules & regulations.
6. That one time registration charges is only exempted for the members who have valid UPPCB authorization of the period.
7. That the service provider shall charge for non-chlorinated bags with bar code at the rate of Rs. _____ / kg plus GST as applicable.
8. That the service provider shall charge for bar code sticker at the rate of Rs. ____ / Piece.
9. In case I fail to pay the monthly charges on time (not later than one month). I agree to bear the penalty of **Rs. 20 (twenty rupee) Per day** till the time my bio medical waste treatment & transportation service will be revoked.
10. The WASTE GENRATOR undertakes to make the payment through 'Account payee cheque or Demand Draft' in favour of **Envirad Medicare Private Limited** on or before 7th of each successive month and thereafter the interest @18% for p.a. shall be charged by the Service Provider if the payment is not made within the stipulated period.
11. **Payment should be made by only Cash/Cheque/NEFT/RTGS**
    Bank details:- Envirad Medicare Private Limited Account No.– 019205500325
    IFSC:- ICIC0000192, ICICI Bank (Bareilly Branch)

5. **Limitation of Liability**

That neither party will be liable to the other for any indirect, special, or consequential damages of any kind, including, but not limited to, loss of profits arising in any manner from this agreement regardless of the foresee ability thereof.

6. **Force Majeure**

That the Parties are not liable for any default or delay in the performance of their respective obligations under the terms of this Agreement; to the extent such default or delay is caused by force Majeure event beyond the reasonable control of the Service Provider, whichever party is unable to perform (the "Non-Performing Party"). A Force Majeure Event includes but is not limited to, fire, flood, earthquake, elements of nature, acts of war, terrorism, riots, civil disorders rebellion, strike, lockouts, or any other act or omission of God, Government or any other party beyond the Party's control or responsibility. Force Majeure Events shall not give rise to any claim against the other party; nor shall any default or delay, due to a Force Majeure Event, be deemed a breach of this Agreement.

Deputy Medical Superintendent
& Administrative Officer
Rohilkhand Medical College & Hospital
Bareilly

7. **Indemnification**

That the WASTE GENERATOR shall indemnify, defend and hold harmless the Service Provider, its shareholder, officers, directors, employees representatives, agents and assignees from and against any and all Claims asserted against, imposed upon or incurred, due to, arising out of or relating to any breach by WASTE GENERATOR of any representation, warranty, term, condition or covenant set forth in this Agreement.

ENVIRAD MEDICARE CBWTF Bareilly

Scanned with OKEN Scanner

8. **Termination Clause**

(i) That both the parties shall be at liberty to terminate this contract by serving notice of 2 months well in advance or alternately compensating the other party by an amount equal to 2 months service charges.

(ii) Service Provider has a right to treat this agreement terminated and cancelled and to stop providing services effect in case (i) if the waste generator fails to comply all or any of the terms and condition of this agreement or (ii) If the agreed service charges are not paid within 30 days from the date when these fell due, but if will be without prejudice to the right of service provider to claim, charge and recover the outstanding service charges with penalty as agreed herein closer.

(iii) That on termination of this agreement it shall be the responsibility of both the parties to inform prescribed Authority accordingly.

9. **Mode of communication**

Any communication made or whose sent any party to the other party shall be deemed duly served, if sent by Email at the below given email address of the parties or by sending by WhatsApp on the below given WhatsApp Mob. Number of the parties or by registered post with A.D. at the below given address of the parties.

10. That both parties hereto have executive and signed this agreement after fully reading and understanding the contents of this agreement and they shall abide by the terms & conditions contained herein and the terms & conditions of this agreement shall remain binding on the legal representative, successors, transferees and assignees the parties till this agreement remains of operative and effective.

11. That in case of any dispute or claim arises bit been the parties hereto with regard to this agreement or any matter arising out of this agreements the only the courts at Bareilly shell have jurisdiction to entertain, try and dispose of such dispute.

IN WITNESS WHEREOF, THE PARTIES HERE TO HAVE SET THEIR SIGNATURE AND SEAL ON THE DAY AND YEAR MENTIONED HEREIN ABOVE.

WASTE GENERATOR

.....

Deputy Medical Superintendent
& Administrative Officer
Rohilkhand Medical College & Hospital
Bareilly

AUTHORIZED SIGNATORY

(With Stamp)

Address: .....

.....

.....

.....

Ph:- .....

E-mail: .....

WhatsApp No.: .....

M/s Enviro Medicare Pvt. Ltd

ENVIRO MEDICARE PVT. LTD. CBWTF Bareilly

AUTHORIZED SIGNATORY

(With Stamp)

Office:-

Opp Neelkamal Saree House

Naya Tola Shivaji Marg

Bareilly: 243001

Ph: 7217455998

E-mail: enviradmedicare@gmail.com

WhatsApp No.: .....

Scanned with OKEN Scanner

Waste recycling system

Bio gas plant using kitchen waste generates gas to cook food in the kitchen. Paper is cut in small pieces to be recycled for reuse. Waste water is recycled to produce clean water for reuse.

Hazardous chemical and Radioactive waste management.

Waste disposal in the hospital is based on the guidelines of PCB and NABH/ NABL. The rules, regulations and methods employed comply with their directions.

Radiation safety measures: The conventional X-ray rooms, CT, MRI, and Cobalt are designed, approved& certified by AERB. The Radio diagnosis & Radiotherapy departments follow the guidelines set out by the AERB. Standard safety precautions are observed by Radiologists and Radiotherapists. Thermo- illuminant dosimeter badges are used by all staff and Post Graduate Students to monitor radiation exposure. No case of over dosage has been reported in the last 5 years.

Criteria 7.1.3 Describe the facilities in the institution for the management of following type of biodegradable and non-biodegradable waste.

An effective waste management system is available in the institution which **ensures a clean, safe environment** for students, staff, and patients while preventing the spread of infections and minimizing environmental impact. Proper disposal of hazardous materials, like sharp objects and chemicals, is carried out as per prescribed health and safety standards.

Solid waste management:

Proper disposal of solid waste is an essential service at the institute. The Institute has taken necessary steps for collecting, treating, and disposing of **solid material**. The solid waste is **collected daily** from dustbins. Segregating of non-hazardous **organic solid waste** such as paper, plastic, and packaging materials is done.

There is an **organic waste converting unit** available in the campus to convert the *Leafy Waste into Bio Compost.* Degradable waste is left for natural decomposition by pit method.



Organic waste converting unit


Organic Manure



Dissuading use of Plastic - Legend

As a measure to minimise the plastic waste the Institute has kept the instructions for ban on use of plastics carry bags in the campus.

Liquid waste management:

Liquid waste management at the campus involves treating wastewater through a wastewater treatment plant to convert the waste water into usable water for gardening purposes. The process begins with preliminary treatment, where large solids and debris are removed through screening. Next, primary treatment allows sedimentation of suspended particles. In secondary treatment, biological processes break down organic contaminants using aeration and microorganisms. Tertiary treatment involves chemical disinfection to eliminate pathogens. Treated water is reused for non-potable applications. Strict adherence to regulations ensures environmental safety, preventing contamination and reducing health risks associated with medical wastewater.



Liquid Waste treatment Plant



Waste treatment Plan

Biomedical Waste Management

Biomedical waste management follows a systematic procedure to ensure the safe handling, segregation, collection, transportation, treatment, and disposal of medical waste to prevent health hazards and environmental contamination.

The process begins with **waste segregation** at the source, where different types of biomedical waste are separated using a **color-coded bin system** as per guidelines of rule 2016.

- **Yellow bins** are used for infectious, anatomical, and pathological waste, including body parts, tissues, and soiled dressings.
- **Red bins** collect recyclable contaminated plastic waste, such as plastic tubes, syringes (without needles), gloves, and urine bags.
- **Black bins** handle general non-hazardous waste, including expired medicines and municipal waste.
- **Blue bins** collect glassware and metallic implants, including broken ampules and vials



Biomedical waste segregation

Once waste is segregated, it is collected in leak-proof, labelled containers and stored in a designated biomedical waste storage area within the healthcare facility from where it is handed directly to the vendor safely.

Trained waste handlers transport the waste using biomedical waste vehicles to authorized waste treatment facilities. At the treatment facility, biomedical waste undergoes various treatment methods based on waste type. Incineration is used for highly infectious and anatomical waste, ensuring complete destruction at high temperatures.

E-Waste Management:

Electronic waste such as computers, printers, laboratory equipment, and tampered keyboards, hardware items and batteries are identified and segregated. The waste is categorized into reusable, recyclable, and hazardous components. Designated collection point at store room is set up for proper storage before disposal. Authorized recyclers handle the safe disposal while ensuring compliance with environmental regulations. The institute promotes sustainable practices such as repair, reuse, and energy-efficient equipment to minimize waste generation and contribute to environmental conservation.

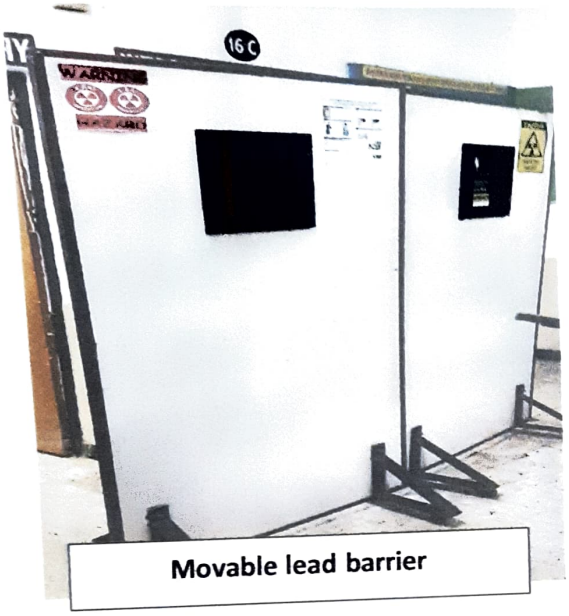
Waste Recycling System:

The institution follows a systematic waste management approach, ensuring proper disposal and recycling of various waste types. Paper waste from administrative offices is recycled through partnerships with paper recycling units, and plastic waste is sent for proper recycling. Organic waste from canteens and hostels is processed Organic waste converters to produce manure for campus landscaping. E-waste, including outdated electronic devices, is disposed of responsibly through authorized recyclers.

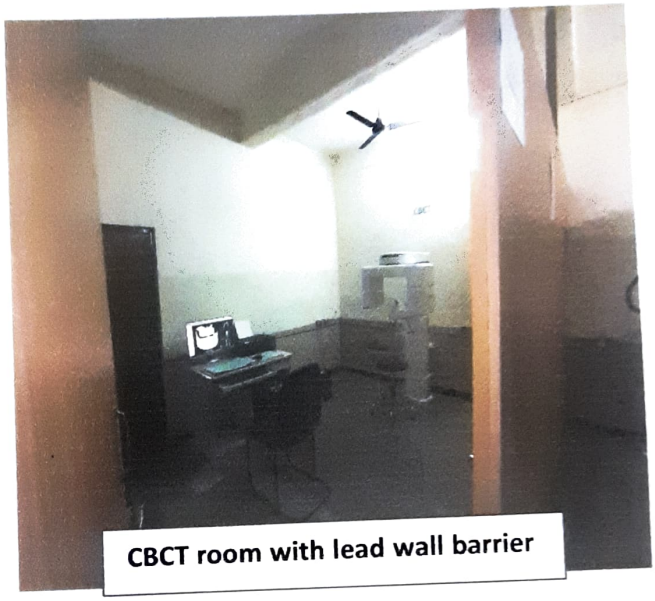
Hazardous chemicals and radioactive waste management:

The Institute prioritizes the safe handling and disposal of hazardous chemicals to ensure a safe working environment. Dental procedures involve chemicals like mercury from amalgam, disinfectants, acids, and radiographic materials. Proper segregation, labelling, and disposal methods are followed per regulatory guidelines. Radioactive waste from radiology is handled with protective shielding, monitored storage, and approved disposal techniques. Routine audits and waste management policies help minimize risks to health and the environment, ensuring sustainable and responsible waste disposal practices within the institution.

Using **lead aprons and thyroid collars** ensure proper shielding to minimize exposure. **Lead barriers** (Movable & Fixed wall) are used to protect healthcare workers and others from ionizing radiation by absorbing and attenuating scattered X-rays.



Movable lead barrier



CBCT room with lead wall barrier



Dosimeter Badges worn by staff



Use of lead apron and thyroid collar

Where there is Rural Wellbeing
there is Universal Prosperity

G20 2023 INDIA

सत्यमेव जयते
Ministry of Education
Government of India

Government of India
Mahatma Gandhi National Council of Rural Education
Department of Higher Education
Ministry of Education

Certificate of Accreditation

This is to certify that Institute of Dental Sciences, Bareilly

Uttar Pradesh

is graded as

Parameters	Green Cover on campus	Surface Water Harvesting	Rooftop Water Harvesting	Rooftop Solar System	Waste Management
Grades	A+	A	A+	A	A

for the academic year of 2022-23 in Phase 1 of the

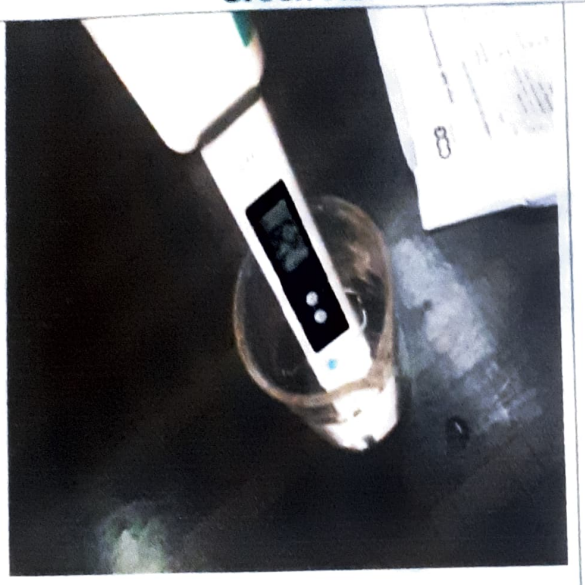
National Rural Institutions Sustainability Grading (NRISG)

Nagalakshmi.

Member Secretary

Date: March 2023
Certificate NO: MGNCRE/NRISG/00015

SUSHIL KUMAR THAKUR



J. pH meter test

Observations:

The institute does not conduct drinking water quality test from as per IS 10500:2012 an accredited lab.

WASTE MANAGEMENT

Type of waste - Plastic waste

Approximate annual quantity- 1500 kg/yr

Source of waste – Packaging, furniture, Office stationery,

Handling methods: Sell to local vendor

Measures to reduce the waste quantity- No record found at the time of audit.

Type of waste – Paper waste

Approximate annual quantity- 1000 kg/year

Source of waste – Examination paper, Answer sheet, stationary, academy

Handling methods- sell to vendor

Measures to reduce the waste quantity- both side use of papers, paper less work initiative

Type of waste – Electronic waste Approximate annual quantity- 100kg/ year Source of waste – Computer, printer Handling methods- sell to vendor Measures to reduce the waste quantity- No record found at the time of audit. Type of waste – Hazardous waste Approximate annual quantity- 50kg/year Source of waste – Pharmaceutical, medicine, medical equipment Handling methods- Handover to register and certified agencies Measures to reduce the waste quantity- minimum use of handover use material
Type of waste – Garden waste Approximate annual quantity- 1500kg/year Source of waste – leaf, plant, tree, and crop waste Handling methods- Compositing plant Measures to reduce the waste quantity- proper Gardening and Regular Maintenance
Type of waste – Food waste Approximate annual quantity- 3000kg/year Source of waste –Canteen, mesh

Handling methods- Compositing Plant Measures to reduce the waste quantity- No record found at the time of audit.
Type of waste – Bio-medical waste Approximate annual quantity- No record found at the time of audit. Source of waste – No record found at the time of audit. Handling methods- No record found at the time of audit. Measures to reduce the waste quantity- No record found at the time of audit.
Observation: • The organization lacks proper adoption of waste management procedures. This deficiency can lead to inefficient handling of waste, increased environmental impact, and potential health hazards. Implementing and adhering to comprehensive waste management practices is essential for maintaining a clean and sustainable environment.

COMPOSTING PLANT

How much organic waste is generated in a day? What type of organic waste is generated?	Various types of organic waste are generated in the institute, such as leftover food, vegetable peels, and garden waste. Approximately 15 kg of organic waste are produced every day.
Details & capacity of compost plan installed in the organization.	No record found at the time of audit.
Details of composting method used	The composting plant installed at the university processes organic waste, converting food scraps, garden clippings, and biodegradable materials into nutrient-rich compost. This initiative reduces waste sent to landfills and supports campus sustainability efforts by providing eco-friendly soil for landscaping and gardening. The plant also serves as an educational tool, promoting environmental awareness among students and staff.

Compost facility maintenance & inspection plan	No record found at the time of audit.
Related records / images	





K. Composting plant
Observation
• The organization does not maintain proper documentation for the composting plant.

RAINWATER HARVESTING

Provide details of the rainwater harvesting facility.	rainwater harvesting system has been installed near rooftop of every building. The roof runoff water is collected through network of pipe lines and stored in tanks. There are tanks in the campus where the roof runoff water is stored. The roof runoff water is allowed to infiltrate in the ground for recharge. There is proper plan for the maintenance of rainwater harvesting system. Reference doc/pic no.: -L1
Rainwater harvesting system maintenance plan	No record found at the time of audit.

CHAPTER IV
STUDY OF WASTE MANAGEMENT

4.1 Segregation of Waste at Source:

The Waste is segregated at source in separate Waste Bins & is handed over for further action.

Photograph of Waste Collection Bins:



4.2 Bio Composting Pit:

TheUniversity has installed Bio CompostingMachine, to convert the Leafy Waste into Bio Compost.

Photograph of Bio Composting Machine:





4.3Liquid Waste Management:

The University has installed Waste Water Treatment Plant to convert the waste water into usable water for gardening purposes.



4.4 Sanitary Waste Management:

The University has installed Sanitary Waste Incinerator for disposal of the Sanitary Waste.

4.5 E Waste Management:

It is recommended to dispose of the E Waste through Authorized Agency.

19 Feb 25

Local Tender Sale

S.No	Items	Qty	Rate	Amount
1	Galta Kachra	125.2	5/-	626.00
2.	Galta Pakka	193.85	13/-	2520.00
3.	Plastic	13 Kg.	20/-	260.00
4.	Iron	23.45	35/-	820.00
				4226/-
			Round	4
			Total	4230/-

Rs 4230/- dt 19/2/25

19-2-25

Account Section

Kindly Diposit Sum Rs 4230/- for the Sale of waste materials.

19/2/25

21/2/25

13 Feb 2025

Sale of waste materials

S.No.	Items	Qty.	Rate	Amount
1.	Plastic	51.800	20/-	1036.00
2.	Glass	10.800	5/-	54.00
3.	Iron	190.600	35/-	6671.00
4.	Teen	328.800 ~~328.800~~	30/-	9864.00
5.	Gatta Pakka	41.700	13/-	543.00
6.	Gatta Kachcha	44.550	5/-	223.00
7	Motor Copper	1.	1500/-	1500.00
				19,891.00
			Round.	9.00
			Total.	19,900/-

Rs-19900/-
14-2-25

Account Section → Kindly Disparish Sum of Rs. 19900/- for the Sale of waste materials.

Received
13/2/25

14/2/2025

21/2/2025

9-Jan-25

Sale of waste material

S.No.	Items	Rate	Qty.	Amount
1.	Plastic	20/-	18 kg.	360.00
2.	Iron	35/-	28 kg.	980.00
3.	Glass	5/-	33 kg.	165.00
4.	Gatta Pakka	13/-	27 kg.	351.00
5.	Gatta Kachcha	5/-	69 kg.	345.00
6.	Battery U.P.S.	180/-	3	540.00
			Total	2741/-

Rs-2741/ 9/1/2025

9-1-25

Account Section → Kindly Disposit Sum of Rs. 2741/- for the Sale of waste materials.

9-1-2025

2TS12MTH

29 Oct-24

Sale of waste material

S.No	Items	Rate	Qty.	Amount
1	Battery U.P.S.	180/-	17	3060/-
2.	Plastic	20/-	41.55	831/-
3.	Iron	35/-	8.4 kg	2940/-
4.	Gatta Pakka	13/-	36.5 kg	475/-
5.	Gatta Kachcha	5/-	3.78 kg	189/-
6.	Glass	5/-	57 kg	285/-
			Total	7760/-

Rs. 7760/- dt 29/10/2024
29-10-24

Account Section → Kindly Diposit Sum of Rs. ___ for the Sale of waste materials.

29/10/24

29/10/24

27 Aug 24

Sale of waste material.

S.No.	Items	Rate	Qty.	Amount
1.	Battery U.P.S.	180/-	5	900.00/-
2.	Glass	5/-	45.5	227.50/-
3.	Plastic	20/-	39.5	790.00/-
4.	Iron	35/-	15	525.00/-
5.	Gatta Pakka	13/-	74.5	968.30/-
6.	Gatta Kachcha	5/-	100	500.00/-
			Total	3911/-

Rs 3911/- dt 27/8/24 Cash

27-8-24

Account Section → Kindly Deposit Sum of Rs. 3911/- for the Sale of waste material.

Cash

27/8/24

BR.M.

06. Feb 2024

Sale of waste material

S.No.	Items	Rate	Qty.	Amount
1.	Plastic	20/-	29.600	592/-
2.	Iron	35/-	21.250g	743/-
3.	Glass	4/-	68 kg.	272/-
4.	Gatta Pakka	12/-	29.600g	355/-
5.	Gatta Kacheha	5/-	233.00	1165/-
6.	Radali	18/-	176.250g	3172/-
7.	Teen	30/-	16.500g	495/-
			Total	6794/-
			Round	6
			G. Total	6800/-

Rs-6800/-
6-2-24

Account Section → Kindly Dispatch
Sum of Rs. 6800/- for the Sale of
waste materials.

2/2/24 Cash 6/2/24 6/2/24

06/02/24

22 May 24

Sale of waste Material

S.No	Items	Rate	Qty	Amount
1.	Plastic	20/-	47 kg.	940/-
2.	Glass	4/-	41	164/-
3.	Battery U.P.S	180/-	9	1620/-
4.	Gatta Kachcha	5/-	60 kg.	300/-
5	Gatta Pakka	13/-	37 kg.	481/-
6.	Plastic Can	50/-	2	100/-
				3665/-
				+ 5
			Total	3610

Rs-3610/-

22 × 2

Account Section →

Kindly Dispose 22/5

Sum of Rs. 3610/- for the Sale of waste materials.

22/5/24

22/5/24

22/5/24

3 Nov 2023

Sale of waste materials

S.No.	Items	Rate	Qty	Amount
1.	Plastic	20/-	71	1420/-
2.	Battery U.P.S	180/-	2+1	540/-
3.	Iron	35/-	57.6	2016/-
4.	Iron Transformer	200/-	21	4200/-
5.	Iron Motor	450/-	2	900/-
6.	Gatta Pakka	12/-	23K	276/-
7.	Gatta Kachcha	5/-	28K	140/-
8.	Glass	4/-	11K	44/-
			Total	9536/-

Rs 9536/-
dt 3/11/2023 3-11-23

Accounts Section → Kindly Deposit Sum of Rs. 9536/- for the Sale of waste materials.

3/11/23

Cash
21/9/11/1

27 Sep 2023

Sale of waste materials

S.No.	Item	Rate	Qty	Amount
1	Plastic	20/-	21.6 kg	432.00
2.	Glass	4/-	30.5 kg	153.00
3.	Gatta Pakka	14/-	38 kg	532.00
4.	Gatta Kacha	5/-	66.5 kg	332.00
5.	Battery U.P.S	180/-	1	180.00
6.	Iron (Tera)	30/-	126 kg	3780.00
7.	Radali	18/-	41.2 kg	741.00
			Total	6150.00

Account Section → Kindly Dispatch Sum of Rs. 6150/- for the Sale of waste materials.

27/9/23

Checked 27/9/23

Rs. 6150/-
27/9/23

27.9.23

14 July 23

Sale of waste materials.

S.No.	Items.	Rate	Qty.	Amount
1.	Plastic	20/-	40.4 kg	808/-
2.	Gatta Kachcha.	5/-	178.6 kg	893/-
3.	Gatta Pakka.	14/-	63.5 kg	889/-
4.	Glass.	4/-	39 kg.	156/-
5.	Iron (tin)	30/-	14.5 kg.	435/-
6.	Raddi	18/-	22.8 kg	410/-
				3591/-
			Round.	9
			Total.	3600/-

Rs 3600/-
14-7-23

14/7/2023

Account Section, Kindly Disposit. Sum of Rs. 3600/- for the Sale of waste materials.

Cashier 14/7/23

14/7/23

21 रुपये 21 पैसे

17 May 23

Sale of waste material

S.no.	Items	Rate	Qty.	Amount
1.	Plastic	20/-	42.200	844/-
2.	Iron	38/-	12.300	467.4/-
3.	Gatta Kachcha	5/-	179.600	898/-
4.	Gatta Pakka	13.5/-	164.400	2219/-
5.	Raddi	—		
6.	Glass	4/-	20 kg	80/-
7.	Newspaper	18/-	369.500	6651/-
8.	Battery U.P.S.	180/-	5	900/-
			Total,	12,060/-

17/5/2023

Account Section, Kindly Dipasil Sum of Rs. 12,060/- for the Sale of waste material. (I.D.S. College & Library)

Rs-12060/-

17-5-23

17/5/23

21 Nov 2023

Sale of waste materials

S.No.	Items	Rate	Qty.	Amount
1.	Plastic	25/-	54 kg	1350/-
2.	Iron	40/-	10 kg.	400/-
3.	Glass	4/-	11 kg.	44/-
4.	Cotton Kachcha	5/-	295 kg.	1475/-
5.	Cotton Pakka	15/-	20 kg.	300/-
6.	Reddi	18/-	405 kg	7290/-
				10,859
			Round.	1
				10,860

21.11.23

Account Section → Kindly Dispose Sum of Rs. 10,860/- for the Sale of waste materials.

6 Mar 23

Sale of waste Materials

S.No.	Items	Rate	Qty.	Amount
1.	Plastic	25/-	75.5 kg	1887/-
2.	Iron	40/-	74 kg.	2960/-
3.	Battery U.P.S.	170/-	1	170/-
4.	Battery Big	550/-	15	8250/-
5.	Tray Iron	35/-	114 kg.	3990/-
6.	Glass	4/-	78.2 kg.	312/-
7.	Gatta. Kachcha	5/-	62.3 kg.	311/-
8.	Gatta Pakka	15/-	33.5 kg.	502/-
				18382/-

Round & Total. 18340/-

6/3/2023

Account Section → Kindly Diposit a Sum of Rs 18340/- for the Sale of waste materials.

Cash

6-3-23

Rs. 18340.

6-3-23

2 Jan 23

Sale of waste Materials

S.No.	Items	Rate	Qty.	Amount
1.	Plastic	25/-	2 kg.	50.00
2.	Iron	40/-	1.250	50.00
3.	Chair - Dental	2,000/-	1	2,000.00
4.	Chair - Dental	1500/-	1	1500.00
			Total	3600/-

1-3600/-

1-25

To Receiver

Account - Section → Kindly Dispatch a Sum of Rs. 3600/- for the Sale of waste materials.

Thanks

2/1/23

2/1/23

27.12.22

Sale of waste material

S. No.	Items	Rate	Qty.	Amount
1.	Iron	40/-	727.3	29,092/-
2.	Plastic	25/-	174	4350/-
3.	Teen	35/-	183	6405/-
4.	Raddi	18/-	48.4	871/-
5.	Katta Kachha	5/-	43.3	216/-
6.	Katta Pakka	15/-	42.7	640/-
7.	Glass	4/-	80	320/-
8.	Chair Dewal.	2,000/-	1	2000/-
9.	Inverter	1,000/-	1	1000/-
10.	Big Battery	2,000/-	2	4000/-
11.	U.P.S. Battery	170/-	13	2210/-
				51,104/-
			Round	6
				51,110/-

27/12/22 Rs-51110/-

28.12.22

Dear Sir/Madam Kindly Dipasit a Sum of Rs. 51,110/- for the Sale of waste material.

21/12/22

1 Sep 22

Sale of waste material.

S. No.	Items	Rate	Qty.	Amount
1.	Glass	4/-	45 kg	180/-
2.	Plastic	25/-	5.6 kg	140/-
3.	Kachcha Gatta	7/-	112.3 kg	785.4/-
4.	Flex/Iron	30/-	12 kg	360/-
5.	Raddi	17/-	80.4 kg	1366.8/-
				2832.2/-
			Round.	.8
				2,833/-

Rs-2833/-
1-9-22

1/9/2022

Account Section → Kindly Dispose a Sum of Rs 2,833 for the Sale of waste material.

1-9-22

Cash

21/9/2022

20 May 22

Sale of waste Material

	Rate	Qty	Amount
Glass	3/-	105	316/-
Raddi	16/-	132.700	2123/-
Kachha Galta	6/-	87.15	522/-
Plastic	20/-	3.700	74/-
Iron	35/-	13.300	465/-
		Total	3500/-

20/05/22

Account Section → Kindly Dipositt a Sum of Rs. 3500/- for the Sale of waste Materials.

Asstt.

21/12/1977

20/05/22

Prem

30 Aug 22

Sale of waste Material

S. No.	Items	Rate	Qty.	Amount
1.	Glass	4/-	42 kg	168/-
2.	Plastic	25/-	37.250	931/-
3.	Iron	40/-	-	—
4.	Electronic Item	45/-	21.100	949/-
5.	Raddi	17/-	85.500	1453/-
6.	Kachcha Galta	7/-	54 kg.	378/-
7.	U.P.S. Battery	170/-	18.	3060/-
8.	Flex	30/-	30 kg	900/-
				7839/-
			Round	7840/-

Read Rs 7840

30-8-22

30/08/22

Amount Section → Kindly Dispositt a Sum of Rs. 7840/- for the Sale of waste Materials

Asstt.

21/12/1977

Prem

19 May 22

Sale of waste materials

		Rate	Qty	Amount
1.	U.P.S. Battery	160/-	16	2560/-
2.	Gatta + Radali	16/-	75	274/-
3.	Glass	3/-	69	207/-
4.	Iron	35/-	73.19	1463/-
5.	Kachha Gatta	6/-	45.8	
6.	Plastic	20/-		

Account Section → Kindly Diposit a Sum of Rs. for the Sale of waste material.

19 May 22

Sale of waste material

U.P.S Battery	160/-	16	2560/-
Gatta	16/-	75	1200/-
Kachha Gatta	6/-	45.8	274/-
Glass	3/-	69	207/-
Plastic	20/-	73.19	1463/-
Iron	35/-	44.8	1568/-
			7272/-
		Round	8
			7280/-

20-5-22

Account Section → Kindly Diposit a Sum of Rs. 7,280/- for the Sale of waste material.

21/5/22

19/5/22

Proper safety of the radioactive machines is there with **AERB registration certificates** for all the x-ray machines and the **TLD Badges** for the personnel working in X-Ray unit are maintained.

भारत सरकार
परमाणु ऊर्जा नियामक परिषद्
विकिरण संरक्षा प्रभाग

GOVERNMENT OF INDIA
ATOMIC ENERGY REGULATORY BOARD
RADIOLOGICAL SAFETY DIVISION

Case File Number: UP-21198-RF-XR-013 **Issuance Date:** 19/06/2020

Document Number: 15-LOEE-49227 **Expiry Date:** 19/06/2030

REGISTRATION FOR OPERATION OF MEDICAL DIAGNOSTIC X-RAY EQUIPMENT

In exercise of powers conferred under Section 16 and 17 as applicable of Atomic Energy Act, 1962 read in conjunction with Rule (3) of the Atomic Energy (Radiation Protection) Rules {AE(RP)R}, 2004, the Atomic Energy Regulatory Board (AERB) hereby issues **Registration** in favour of Dr. LATA AGRAWAL to operate the following medical diagnostic x-ray equipment located at ROHILKHAND MEDICAL COLLEGE AND HOSPITAL, OPPOSITE SURESH SHARMA NAGAR,PILIBHIT BYPASS ROAD BAREILLY BAREILLY, UTTAR PRADESH-243006 for medical diagnostic purpose.

Type of Equipment	Manufacturer	Model	Equipment ID
Ortho Pantomography (OPG)	M/s. Meditronics Mfg. Co. Pvt. Ltd.	Panorex	G-XR-33817

The **ASSOCIATE PROFESSOR, ROHILKHAND MEDICAL COLLEGE AND HOSPITAL, BAREILLY** and **DR. LATA AGRAWAL** are hereby identified as the Employer and licensee respectively, for the purpose of assigning the responsibilities specified in the Atomic Energy (Radiation Protection) Rules, 2004, in respect of radiation protection of workers, public and environment because of operation of the above equipment.

The Employer and Licensee are responsible for,

I. Ensuring compliance with the relevant provisions of the
   i. Atomic Energy Act, 1962
   ii. Atomic Energy (Radiation Protection) Rules, 2004;
   iii. AERB Safety Code (AERB/SC/Med-2), 2001, Amendment 2012, and the revisions thereof
   iv. All applicable Safety Codes, Guides issued by AERB for the above practice and regulatory documents issued by AERB from time to time.
   v. Directives issued by Competent Authority from time to time.
II. Ensuring compliance with terms and conditions stated overleaf.

Note:
This Registration is issued ONLY from the RADIATION SAFETY VIEW POINT. All other clearances shall be obtained from concerned state/central/local authorities as applicable.

Dr. P. K. Dash Sharma
Head, RSD

DR. LATA AGRAWAL
ROHILKHAND MEDICAL COLLEGE AND HOSPITAL
OPPOSITE SURESH SHARMA NAGAR, PILIBHIT BYPASS ROAD BAREILLY
BAREILLY, UTTAR PRADESH-243006

Note: This document is also available at www.aerb.gov.in/elora

परमाणु ऊर्जा नियामक परिषद्,नियामक भवन, अणुशक्तिनगर, मुंबई 400094 (महाराष्ट्र)
Atomic Energy Regulatory Board, Niyamak Bhavan, Anushaktinagar, Mumbai 400094 (Maharashtra)
वेबसाइट/Website: www.aerb.gov.in दूरभाष/Tel: 91 22 2599 0656 फैक्स/Fax: 91 22 2599 0650

भारत सरकार
परमाणु ऊर्जा नियामक परिषद्
विकिरण संरक्षा प्रभाग

GOVERNMENT OF INDIA
ATOMIC ENERGY REGULATORY BOARD
RADIOLOGICAL SAFETY DIVISION

Case File Number: UP-21198-RF-XR-031 **Issue Date:** 01/10/2022

Document Number: 22-REGNEWIMPORT-987673 **Expiry Date:** 01/10/2032

REGISTRATION FOR OPERATION OF MEDICAL DIAGNOSTIC X-RAY EQUIPMENT

In exercise of powers conferred under Section 16 and 17 as applicable of Atomic Energy Act, 1962 read in conjunction with Rule (3) of the Atomic Energy (Radiation Protection) Rules {AE(RP)R}, 2004, the Atomic Energy Regulatory Board (AERB) hereby issues Registration in favour of Dr.LATA AGRAWAL to operate the following diagnostic radiology equipment located at OPPOSITE SURESH SHARMA NAGAR, PILIBHIT BYPASS ROAD, BAREILLY, BAREILLY, UTTAR PRADESH, 243006 for Medical Diagnosis.

Type of Equipment	Model Name	Name of Manufacturer	Name of Supplier	Equipment Identification No	Serial No
Ortho Pantomography (OPG)	CS 8100	M/s. Trophy	CARESTREAM HEALTH INDIA PVT. LTD.	G-XR-168133	KFIA054

The ASSOCIATE PROFESSOR, ROHILKHAND MEDICAL COLLEGE AND HOSPITAL, BAREILLY and DR. LATA AGRAWAL are hereby identified as the Employer and licensee respectively, for the purpose of assigning the responsibilities specified in the Atomic Energy (Radiation Protection) Rules, 2004, in respect of radiation protection of workers, public and environment because of operation of the above equipment.

The Employer and Licensee are responsible for,

I. Ensuring compliance with the relevant provisions of the
   i. Atomic Energy Act, 1962
   ii. Atomic Energy (Radiation Protection) Rules, 2004;
   iii. AERB Safety Code (AERB/SC/Med-2), 2001, Amendment 2012, and the revisions thereof
   iv. All applicable Safety Codes, Guides issued by AERB for the above practice and regulatory documents issued by AERB from time to time.
   v. Directives issued by Competent Authority from time to time.

II. Ensuring compliance with terms and conditions stated overleaf.

Note:
This Registration is issued ONLY from the RADIATION SAFETY VIEW POINT. All other clearances shall be obtained from concerned state/central/local authorities as applicable.

Dr. P. K. Dash Sharma
Head, RSD

ROHILKHAND MEDICAL COLLEGE AND HOSPITAL
OPPOSITE SURESH SHARMA NAGAR,PILIBHIT BYPASS ROAD, BAREILLY
BAREILLY-243006,UTTAR PRADESH

Note: This document is also available at www.aerb.gov.in/elora

अनुबंध Appendix 1

नियम और शर्तें TERMS AND CONDITIONS

1. **विकिरण स्रोतों के संचालन पर प्रतिबंध Constraints on operation of radiation sources**: लाइसेंसधारक किसी भी विकिरण स्रोत (रेडियोधर्मी स्रोत और/या विकिरण उत्पन्न करने वाला उपकरण) को नहीं संभालेगा (क) लाइसेंस में विनिर्दिष्ट के अलावा; (ख) लाइसेंस में विनिर्दिष्ट के अलावा किसी अन्य उद्देश्य के लिए; और (ग) लाइसेंस में विनिर्दिष्ट के अलावा किसी भी स्थान पर। The licensee shall not handle any radiation source (Radioactive Sources and/or Radiation Generating Equipment): (a) other than those specified in the licence; (b) for any purpose other than those specified in the licence; and (c) in any location except as specified in the licence.

2. **उत्तरदायित्व Responsibilities**: परमाणु ऊर्जा (विकिरण संरक्षण) नियम, 2004 में निर्दिष्ट नियोक्ता, लाइसेंसधारक, आरएसओ और श्रमिकों की जिम्मेदारियों का पालन किया जाएगा। विकिरण फैसिलिटी/गतिविधियों की सुरक्षा के लिए मुख्य जिम्मेदारी लाइसेंसधारक की होगी और नियामक संस्था द्वारा कोई भी नियामक गतिविधियां या निरीक्षण लाइसेंसधारक को सुरक्षा के लिए उसकी जिम्मेदारी से मुक्त नहीं करता है। The responsibilities of the employer, licensee, RSO and workers as specified in the Atomic Energy (Radiation Protection) Rules, 2004 shall be complied with. Prime responsibility for the safety of the radiation facility/activities shall lie with the licensee and any regulatory activities or inspections by the regulatory body does not relieve the licensee from his/her responsibility for safety.

3. **स्रोतों की सलामती और सुरक्षा Safety and Security of sources:** विकिरण स्रोत की सलामती और सुरक्षाहर समय अर्थात खरीद से लेकर विकिरण स्रोत के निपटान/उपकरण के बंद होने तक सुनिश्चित की जाएगी। रेडियोधर्मी स्रोत/रेडियोधर्मी स्रोतों को रखने वाले उपकरण अस्थाई रूप से उपयोग में नहीं होने पर एक अनुमोदित और सुरक्षित भंडारण कक्ष में संग्रहीत किए जाएंगे। The safety and security of the radiation source shall be ensured at all the times i.e. from procurement up to the time of disposal of the radiation source/decommissioning of the equipment. The equipment housing the radioactive source/radioactive sources shall be stored in an approved and secured storage room when temporarily not in use.

4. **नियामक सिफारिशें Regulatory Recommendations**: रेडियोधर्मी स्रोतों के लिए विकिरण सुरक्षा उपायों और भौतिक सुरक्षा उपायो के संबंध में सक्षम प्राधिकारी द्वारा समय-समय पर जारी की जाने वाली सभी नियामक सिफारिशों को लागू किया जाएगा और इसका अक्षरशः पालन किया जाएगा। All the regulatory recommendations, as may be issued from time to time, by the Competent Authority in respect of radiation safety measures and physical security measures for radioactive sources shall be implemented and followed in its letter and spirit.

5. **अर्हताप्राप्त कार्मिक Qualified manpower**: उपकरण/स्रोतों का संचालन एईआरबी को सूचित किए गए योग्य और प्रशिक्षित विकिरण कर्मियों द्वारा किया जाएगा। Equipment/sources shall be operated by qualified and trained radiation workers as intimated to AERB.

6. **ले-आउट का संशोधन Modification of layout**: एईआरबी के पूर्वानुमोदन के बिना स्थापना/स्रोत भंडारण फैसिलिटी के अनुमोदित लेआउट में संशोधन, जिसमें विकिरण सुरक्षा निहितार्थ हो सकते हैं, नहीं किए जाएंगे। Modifications in the approved layout of the installation/source storage facility that may have radiation safety implications shall not be carried out without obtaining prior approval of AERB.

7. **विकिरण निगरानी Radiation Surveillance**: विकिरण कार्य में लगे व्यक्ति (व्यक्तियों) की विकिरण निगरानी (कार्मिक निगरानी सेवा) नियामक आवश्यकताओं के अनुसार प्रदान की जाएगी। Radiation Surveillance (personnel Monitoring Service) of person(s) engaged in radiation work shall be provided as per the regulatory requirements.

8. **आवधिक सुरक्षा स्थिति रिपोर्ट Periodic Safety Status Report**: संस्थान के पास मौजूद सभी विकिरण उपकरणों/स्रोतों की आवधिक स्थिति रिपोर्ट वर्ष में एक बार (कम से कम) एईआरबी को प्रस्तुत की जाएगी। The periodic status report of all radiation devices/sources in the possession of the institution shall be submitted (at least) once in a year to AERB.

9. **रखरखाव Maintenance**:उपकरणों का रखरखाव संबंधित एईआरबी संरक्षा कोड, गाइड और वर्तमान में लागू मानकों के अनुसार किया जाएगा। Maintenance of the equipment shall be carried out in accordance with the respective AERB safety code, guide and standards currently in force.

10. **बिक्री या स्थानांतरण Sale or transfer**: विकिरण स्रोत/डिवाइस/उपकरण/रेडियोधर्मी अपशिष्ट एईआरबी से पूर्वानुमोदन प्राप्त किए बिना किसी अन्य व्यक्ति को बेचा या अन्यथा हस्तांतरित नहीं किया जाएगा। The radiation source/device/equipment/radioactive waste shall not be sold or otherwise transferred to another person without obtaining prior approval from AERB.

11. **विकिरण स्रोतों का संचलन Movement of radiation source**: विकिरण उपकरण/स्रोतों को एईआरबी से पूर्वानुमोदन प्राप्त किए बिना, परिसर के भीतर (जब तक कि उपकरण परिसर के भीतर नियमित आवाजाही के लिए न हो) या बाहर एक स्थान से दूसरे स्थान पर नहीं ले जाया जाएगा। The radiation equipment/sources shall not be moved from one location to another, within the premises (unless the equipment is meant for routine movement within the premises) or outside, without obtaining prior approval from AERB.

12. **रेडियोधर्मी स्रोत का परिवहन Shipment of radioactive material**:रेडियोधर्मीसामग्रीकापरिवहन : एईआरबीसेपरिवहनकेलिएपूर्वानुमतिप्राप्तकीजाएगी। यह सुनिश्चित किया जाएगा कि रेडियोधर्मी सामग्री के सुरक्षित परिवहन के लिए राष्ट्रीय/ अंतर्राष्ट्रीय विनियमों के अनुसार योग्य पैकिंग, चिह्नित और लेबलिंग किया जाता है। Prior approval for shipment shall be obtained from AERB. The package containing radioactive material is properly packed, marked and labelled and the shipment of radioactive material is in accordance with national/international regulations for safe transport of radioactive material.

13. **नियामक निरीक्षण Regulatory inspection**: विकिरण फैसिलिटी का निरीक्षण करने के लिए सक्षम प्राधिकारी के प्राधिकृत प्रतिनिधि (प्रतिनिधियों) को पूर्ण सहयोग दिया जाएगा। Full co-operation shall be accorded to authorized representative(s) of the Competent Authority to inspect radiation facility.

14. **अप्रयुक्त विकिरण स्रोतों तथा रेडियोधर्मी अपशिष्ट का प्रबंधन Management of disused radiation sources and radioactive waste**: जब कोई विकिरण स्रोत अब अधिकृत उद्देश्य के लिए उपयोग में नहीं है, या इसके उपयोगी जीवन के पूरा होने पर, उपकरण को बंद कर दिया जाएगा और रेडियोधर्मी स्रोत एईआरबी द्वारा निर्धारित प्रक्रिया के अनुसार संरक्षित प्रबंधन के लिए मूल आपूर्तिकर्ता को वापस कर दिया जाएगा। आयातित रेडियोधर्मी स्रोतों के संबंध में, उनके निर्यात के लिए एईआरबी से पूर्व अनुमति प्राप्त की जाएगी। When a radiation source is no longer in use for the authorized purpose, or upon completion of its useful life, the equipment shall be decommissioned and radioactive source shall be returned to the original supplier for safe management in accordance with the procedure laid down by AERB. In respect of imported radioactive sources, prior permission for export of the same shall be obtained from AERB.

15. **असामान्य घटनाओं की रिपोर्ट Reporting of unusual occurrences**: यदि विकिरण स्रोत/उपकरण की संरक्षा और सुरक्षा से जुड़ी कोई घटना होती है, तो घटना होने के 24 घंटे के भीतर एईआरबी को इसकी सूचना दी जाएगी। स्रोत के खो जाने या चोरी होने की स्थिति में, मामले की सूचना तत्काल इलाके में उपयुक्त कानून एवं प्रवर्तन एजेंस को दी जाएगी। If an incident involving the safety of radiation equipment/device/source and security of the radiation source occurs, the same shall be intimated to AERB within 24 hours of the occurrence of the incident. In the event of loss or theft of the source, the matter shall also be promptly reported to the appropriate law enforcement agency in the locality.

16. **रेडियोधर्मी अपशिष्ट के निपटान के लिए संचालन/प्राधिकरण के लिए लाइसेंस में संशोधन Amendment of licence for operation/Authorization for disposal of radioactive waste**: इस लाइसेंस/प्राधिकरण में निहित जानकारी में कोई भी परिवर्तन, इसके जारी होने के बाद (लाइसेंसधारक, नियोक्ता, संस्थान का नाम, पता आदि के रूप में) एईआरबी को सूचित किया जाएगा और इस संबंध में इस लाइसेंस के लिए उपयुक्त आवश्यक संसोधन सक्षण प्राधिकारी, एईआरबी से प्राप्त किया जाएगा। Any change in the information contained in this licence/authorization, after its issuance (as change of licensee, employer, name of institution, address etc.), shall be intimated to the AERB and appropriate necessary amendment to this effect to this licence shall be obtained from the Competent Authority, AERB

17. **लाइसेंस के नियमों और शर्तों में संशोधन Modification of the terms and conditions of the licence**: लाइसेंस के नियमों और शर्तों को सुरक्षा के हित में सक्षम प्राधिकारी द्वारा आवश्यक समझे जाने पर संशोधित, पुनरीक्षित या सुधार किया जा सकता है। The terms and conditions, of the licence can be amended, revised or modified, as considered necessary by the Competent Authority in the interest of safety.

18. **लाइसेंस का नवीनीकरण Renewal of licence**: लाइसेंस का नवीनीकरण इसकी समाप्ति की तारीख से पहले सक्षम प्राधिकारी से प्राप्त किया जाएगा। लाइसेंस के गैर-नवीनीकरण से लाइसेंसधारक को कब्जे के तहत विकिरण स्रोतों की सलामति एवं सुरक्षा की जिम्मेदारी से तब तक मुक्त नहीं किया जाता है जब तक कि उपकरण बंद नहीं किया जाता है/और सुरक्षित प्रबंधन के लिए मूल आपूर्तिकर्ता को रेडियोधर्मी स्रोत वापस नहीं किया जाता है। एईआरबी द्वारा आवेदनों के प्रसंस्करण के लिए अग्रणी समय को ध्यान में रखते हुए लाइसेंस के नवीनीकरण के लिए आवेदन एईआरबी को समीक्षा के लिए अग्रिम रूप से प्रस्तुत किया जाएगा। लाइसेंस की समाप्ति के दो महीन पहले लाइसेंसधारक द्वारा नवीनीकरण के लिए आवेदन प्रस्तुत किया जा सकता है। Renewal of licence shall be obtained from the Competent Authority prior to its date of expiry. Non-renewal of licence does not absolve the licensee from the responsibility of safety and security of radiation sources under possession till the equipment is decommissioned /and radioactive source is returned to the original supplier for safe management. Application for renewal of this licence shall be submitted to AERB for review well in advance, taking into account the lead time for processing of the applications by AERB. Application for renewal may be submitted by the licensee two months prior to expiry of the licence.

19. **डीकमीशनन के लिए वित्तीय प्रावधन Financial provision for decommissioning:** लाइसेंसधारक यह सुनिश्चित करेगा कि एक बार उपयोग में आने के बाद विकिरण स्रोतों के सुरक्षित प्रबंधन के लिएउचित वित्तीय प्रावधानों सहित व्यवस्था की जाती है। वित्तीय प्रावधान की सीमा का निर्धारण विकिरण स्रोत के आपूर्तिकर्ता/निर्माता के परामर्श से किया जाएगा। वित्तीय प्रावधान सामान्य परिदृश्य के साथ-साथ दिवालिएपन या अन्य बाधाओं का सामना करने वाली असंभावित घटनाओं को ध्यान में रखते हुए किया जाएगा। Licensee shall ensure that arrangements, including appropriate financial provisions, are made for the safe management of radiation sources, once it ceases to be in use. The extent of financial provision shall be arrived at in consultation with the supplier/manufacturer of the

radiation source. The financial provision shall be made with due consideration to normal scenario as well as unlikely events like bankruptcy or other constraints that may be encountered.

20. **अपराध और दंड Offences and Penalties**: यदि लाइसेंस/प्राधिकरण की शर्तों और अन्य निर्धारित विनियामक प्रावधानों का उल्लंघन किया जाता है तो परमाणु ऊर्जा (विकिरण संरक्षण) नियम, 2004 और परमाणु ऊर्जा (रेडियोधर्मी अपशिष्ट का सुरक्षित निपटान) नियम 1987 में निर्दिष्ट शर्तों के अनुसार एईआरबी द्वारा लाइसेंस/प्राधिकार को निलंबित, संशोधित या वापस लिया जा सकता है। जहां उपयुक्त समझा जाए, किए गए अपराध के विरूद्ध परमाणु ऊर्जा अधिनियम, 1962 में प्रावधान के अनुसार एईआरबी संस्था द्वारा दंडात्म कार्रवाई शुरू की जा सकती है। Licence/authorisation can be suspended, modified or withdrawn by AERB, as specified in the Atomic Energy (Radiation Protection) Rules, 2004 and Atomic Energy (Safe Disposal of Radioactive Wastes) Rules 1987 if any of the terms and conditions of the licence/authorisation and other stipulated regulatory provisions is/are contravened. Where deemed appropriate, AERB may initiate penal action against an offence committed by the institution, as provided in the Atomic Energy Act, 1962.

xxxxxxxxxxxxxxxxxxxxxxx

नोट Note: प्रैक्टिस विशिष्ट आवश्यकताओं पर मार्गदर्शन के लिए कृपया ई-लोरा दिशानिर्देश और एईआरबी वेबसाइट www.aerb.gov.in देखें/ For guidance on practice specific requirements, please refer e-LORA guidelines and AERB website www.aerb.gov.in

****

TERMS AND CONDITIONS

1. No activity will be carried out by your institute for purposes other than those specified in this Licence.

2. The regulatory responsibilities of the employer, licensee and RSO as laid down in the Atomic Energy (Radiation Protection) Rules, 2004 or the latest revision of AERB Safety Code (AERB/SC/Med-2) shall be adhered to.

3. Availability of qualified and trained personnel and personnel monitoring service for radiation workers shall be ensured all the time.

4. Availability of services of a qualified radiologist or related medical practitioner, with adequate knowledge of radiation protection for interpretation and reporting shall be ensured all the time.

5. Full facilities shall be accorded to any authorised representatives of the competent authority to inspect the facility at any time. Records on manufacturing/supply/Quality Assurance Tests /Type Approvals shall be made available.

6. The periodic safety status report of x-ray equipment in the possession of the institution shall be submitted to AERB.

7. The x-ray shall not be sold or otherwise transferred to another person without obtaining the specific permission from AERB.

8. In case of change in layout/change in positioning/change in location of x-ray equipment prior permission shall be obtained from regulatory body.

9. Any incident involving radiation exposure to person from this x-ray equipment shall be immediately intimated to AERB.

10. Licence shall be renewed before its expiry.

11. A copy of this Licence shall be displayed in a prominent location in the control room of x-ray equipment.

12. This license may be suspended, modified or withdrawn as specified in the Atomic Energy (Radiation Protection) Rules, 2004, in the event of contravention of the provisions of the above Act / Rules / Codes or terms and conditions of the Licence. Where deemed appropriate, AERB may also initiate penal action against the Employer/licensee in such an event.

13. In case there is change in information contained in this licence after its issuance, such as change of Licensee, Employer, name of institution, address etc., and changes such as addition/ decommissioning of Medical X-ray equipment it shall be ensured by licensee that the necessary amendment to this effect to the licence is obtained from the Competent Authority.

14. The X-ray equipment shall be operated by qualified personnel trained in radiation safety. No radiation worker shall be allowed to operate the X-ray equipment without TLD badge/PMS

xxxxxxxxxxxxxxxxxx

निबंधन तथा शर्तें

1. इस पंजीकरण में विनिर्दिष्ट उद्देश्यों के अलावा किसी अन्य उद्देश्य के लिए संस्थान द्वारा गतिविधियां नहीं की जानी हैं।

2. परमाणु ऊर्जा (विकिरण संरक्षण) नियम, 2004 अथवा एईआरबी संरक्षा संहिता (एईआरबी/एससी/एमईडी-2) में दी गई नियोक्ता, अनुज्ञप्तिकर्ता तथा आरएसओ की विनिमायक जिम्मेदारियों का पालन करना होगा।

3. विकिरण कार्मिकों के लिए योग्यता प्राप्त एवं प्रशिक्षित कार्मिकों तथा कार्मिक मॉनिटरिंग सेवा की सभी समय के लिए उपलब्धता सुनिश्चित करनी होगी।

4. व्याख्या और रिपोर्टिंगके लिएअर्हता प्राप्तरेडियोलॉजिस्टअथवासंबंधितचिकित्सक, जिसकोविकिरण सुरक्षाकी पर्याप्त जानकारीहो, की सेवाओं की सभी समय के लिए उपलब्धता सुनिश्चित करनी होगी।

5. सक्षम प्राधिकारी द्वारा प्राधिकृत किये गये प्रतिनिधियों को किसी भी समय निरीक्षण करने हेतु सम्पूर्ण सुविधाएँ दी जानी चाहिए। विनिर्माण/आपूर्ति/गुणवत्ता आश्वासन परीक्षणों/टाइप अनुमोदनों का अभिलेख उपलब्ध करवाना होगा।

6. संस्थान के स्वामित्व वाले एक्स-रे उपकरणों की सावधिक संरक्षा स्थिति रिपोर्ट एईआरबी को प्रस्तुत की जानी चाहिए।

7. एईआरबी से विशेष अनुमति लिये बिना एक्स-रे उपकरण को न बेचा जाए और नही इसे किसी अन्य व्यक्ति को अंतरित किया जाए।

8. लेआऊट में कोई परिवर्तन/एक्स-रे उपकरण की स्थिति/स्थान में कोई परिवर्तन करना हो तो विनिमायक निकाय की पुर्वानुमति लेनी होगी।

9. इस एक्स-रे उपकरणसे किसी प्रकार के विकिरण उद्भासन की कोई घटना होती है तो इसकी सूचना तुरंत एईआरबी को देनी है।

10. पंजीकरण के समाप्त होने के पूर्व इसका नवीकरण कराना होगा।

11. इस पंजीकरण की एक प्रति एक्स-रे उपकरण/संस्थापन के पास स्पष्ट दिखें ऐसी जगह पर प्रदर्शित की जानी होगी।

12. परमाणु ऊर्जा (विकिरण संरक्षण) नियम, 2004 में विनिर्दिष्ट के अनुसार इस अधिनियम/नियम/संहिता के किसी प्रावधानों अथवा अनुज्ञप्ति के निबंधन एवं शर्तों में किसी प्रकार के उल्लंघन की स्थिति में यह अनुज्ञप्ति निलंबित, आशोधित की जा सकती है अथवा वापस ली जा सकती है। ऐसी किसी घटना में, जहाँ समुचित प्रतित होता हो, एईआरबी उक्त नियोक्ता/अनुज्ञप्तिकर्ता के विरुद्ध दण्ड की कार्रवाई भी कर सकता है।

13. इस पंजीकरण के जारी होने के बाद किसी सूचना जैसे अनुज्ञप्तिकर्ता, नियोक्ता, संस्थान का नाम, पता आदि में परिवर्तन अथवा मेडिकल एक्स-रे उपकरण की संख्या में वृद्धि/विकमीशनन आदि के संबंध में कोई परिवर्तन होने की स्थिति में अनुज्ञप्तिकर्ता द्वारा यह सुनिश्चित कर लिया जाए कि इस बारे में पंजीकरण में आवश्यक संशोधन हेतु सक्षम प्राधिकारी से अनुमोदन लिया गया है।

14.एक्सरे उपकरण विकिरण सुरक्षा में प्रशिक्षित कर्मियों द्वारा संचालित किया जाएगा। कोई विकिरण कार्यकर्ता को टीएलडी बैज / पीएमएस के बिना एक दूसरे उपकरण संचालित करने की अनुमति नहीं दी जाएगी।